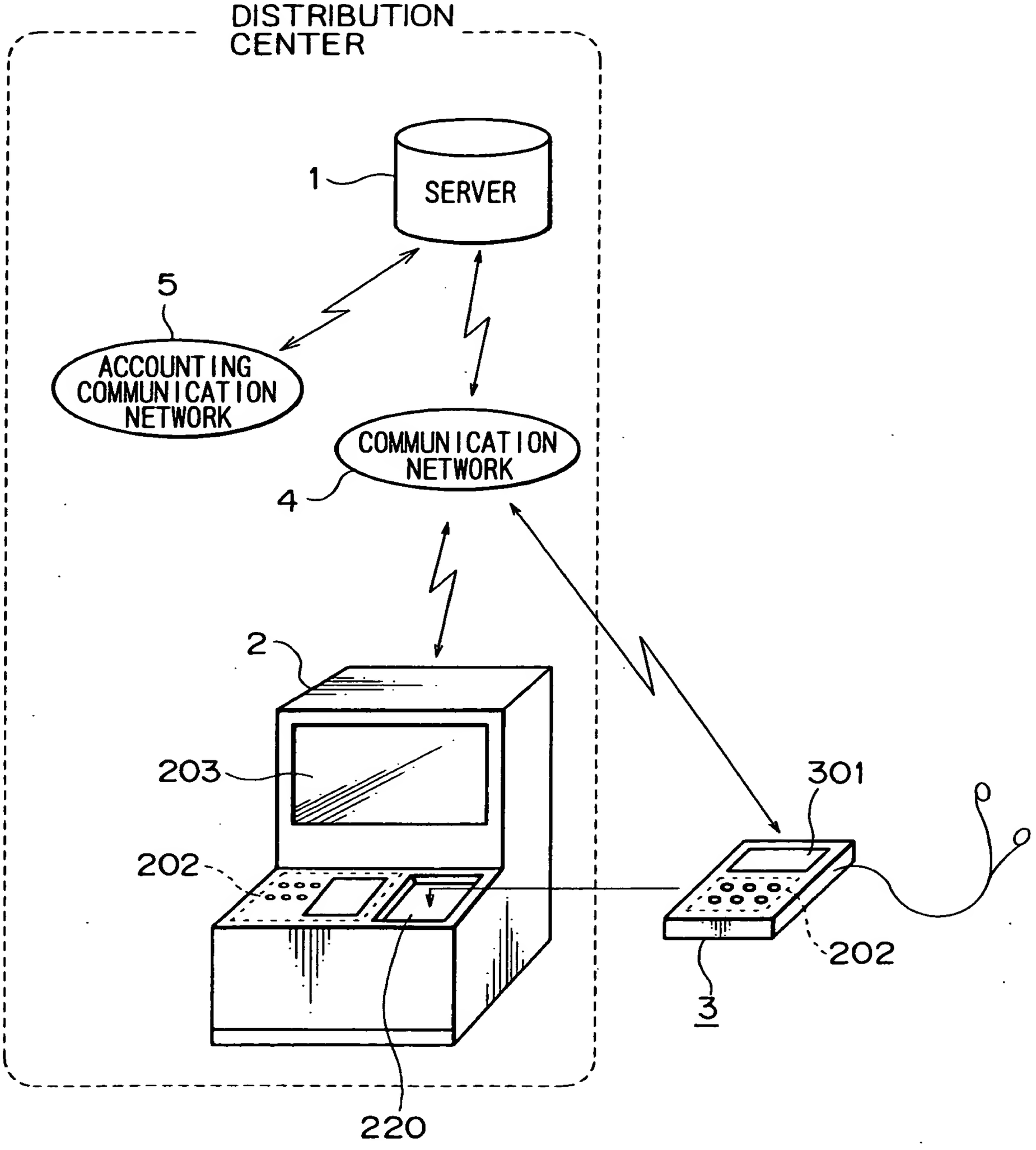
SUBCLASS

S01 P0564

FIG.1



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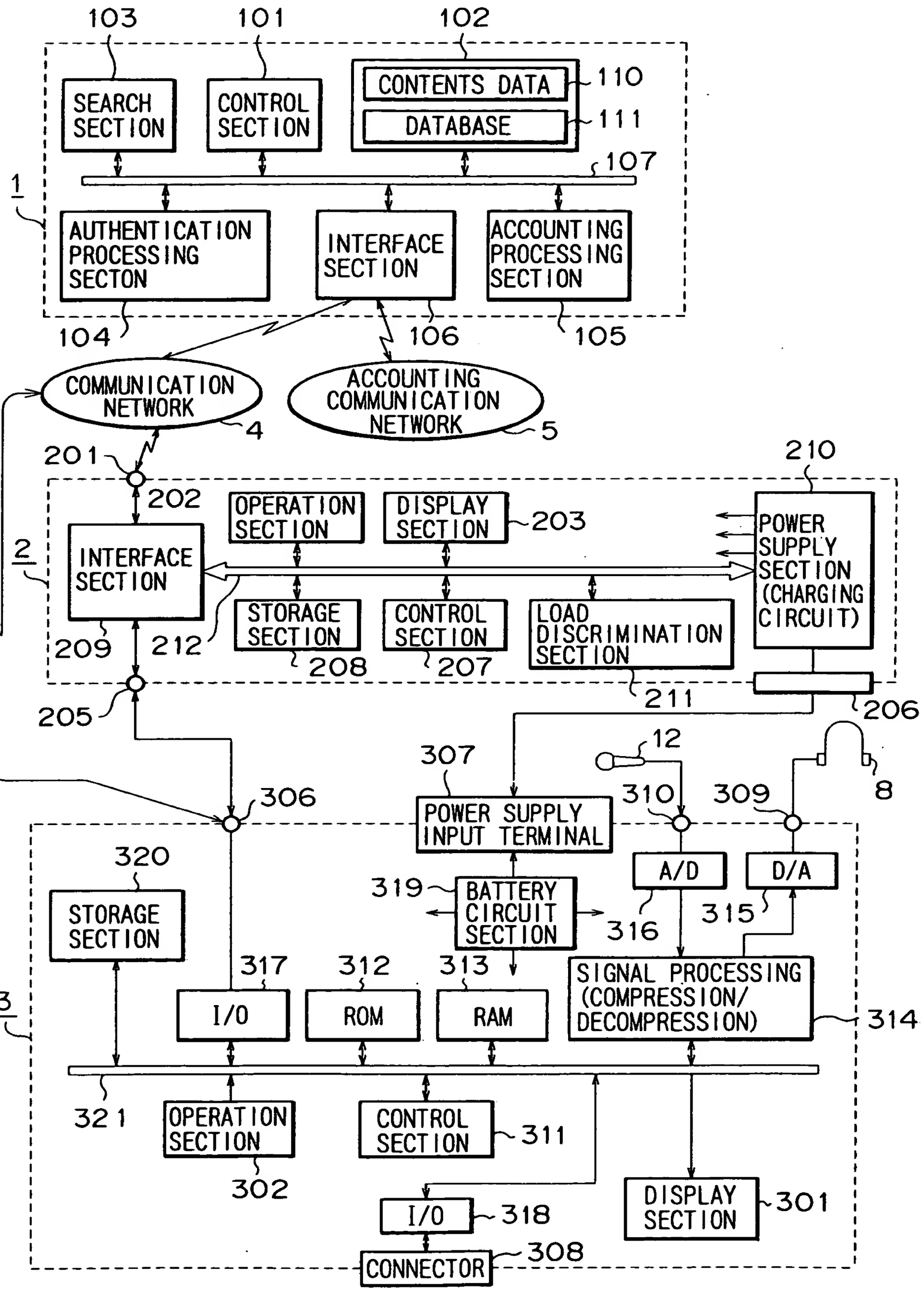
APPROVED
CLASS SUBCLASS

FIG. 2



APPROVED [illegible]
[illegible] SUBCLASS

FIG. 3A

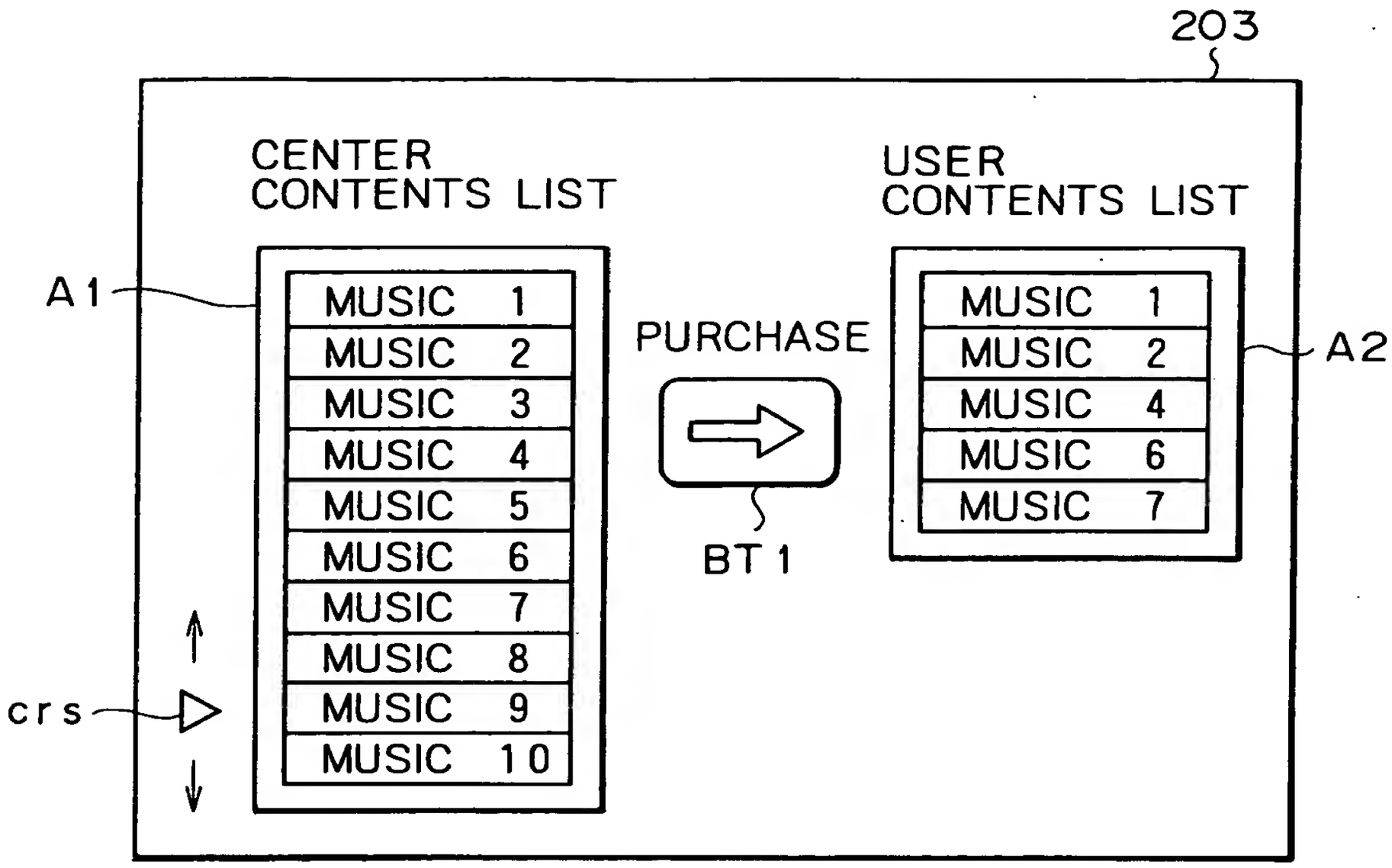


FIG. 3B

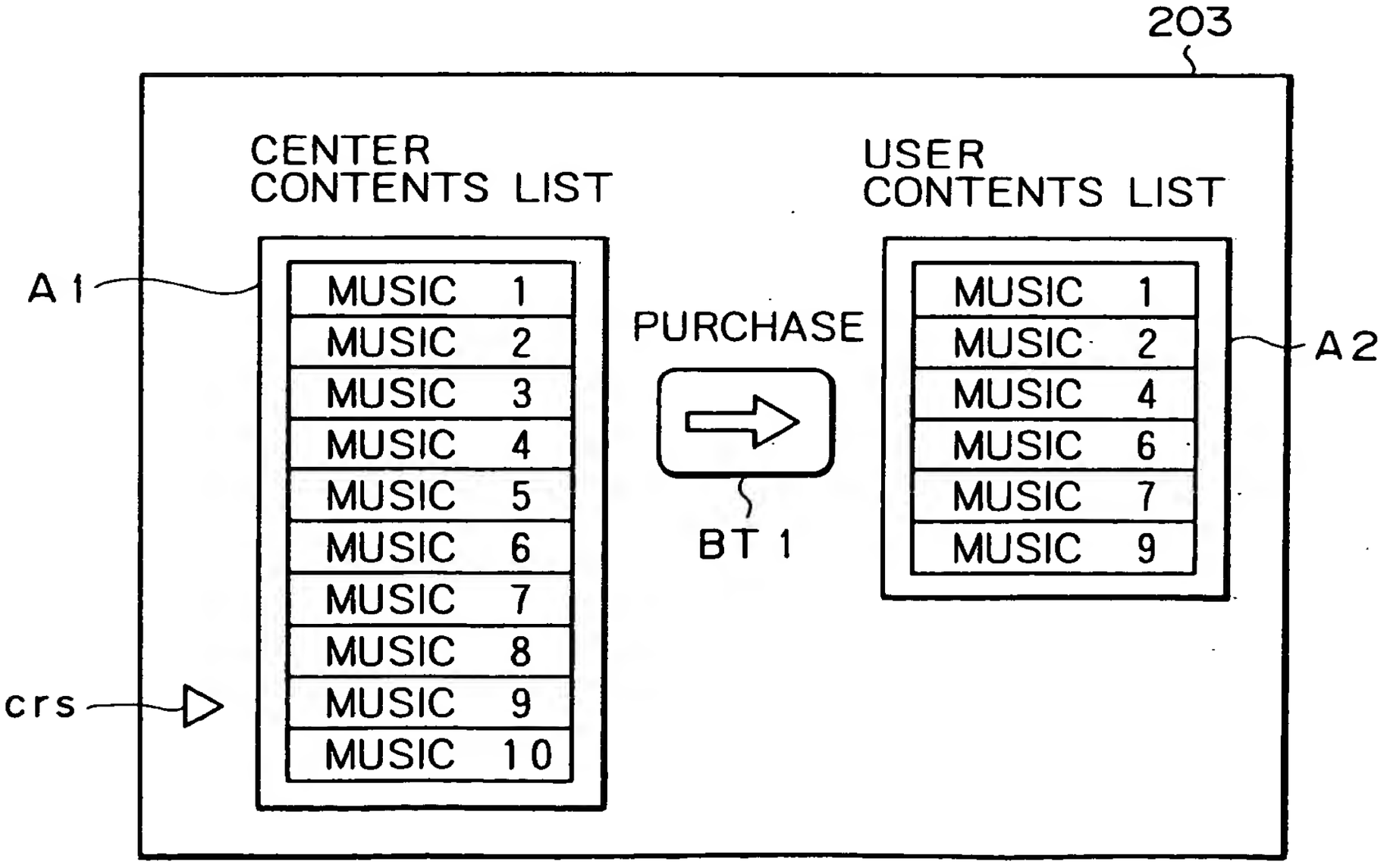


FIG.4A

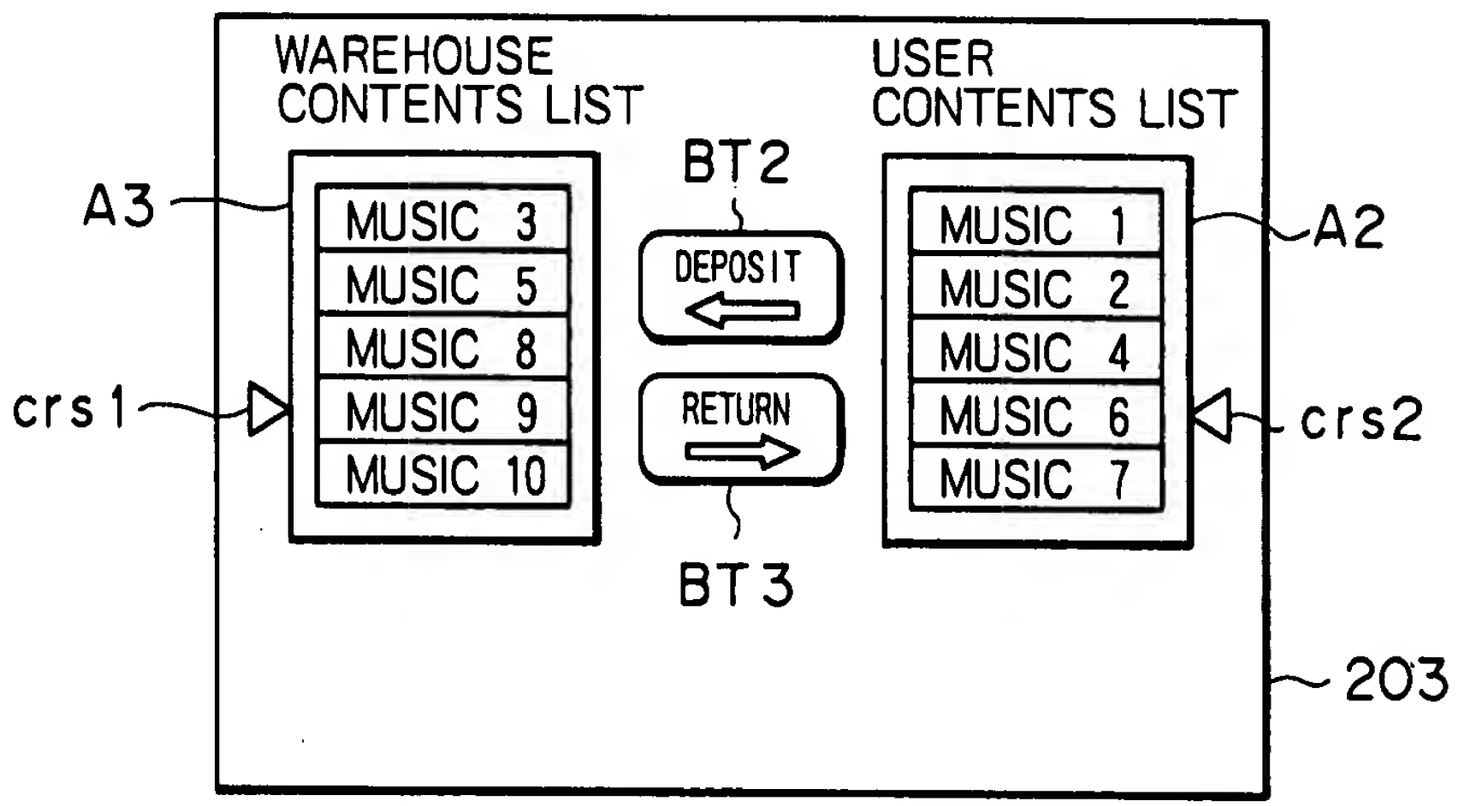


FIG.4B

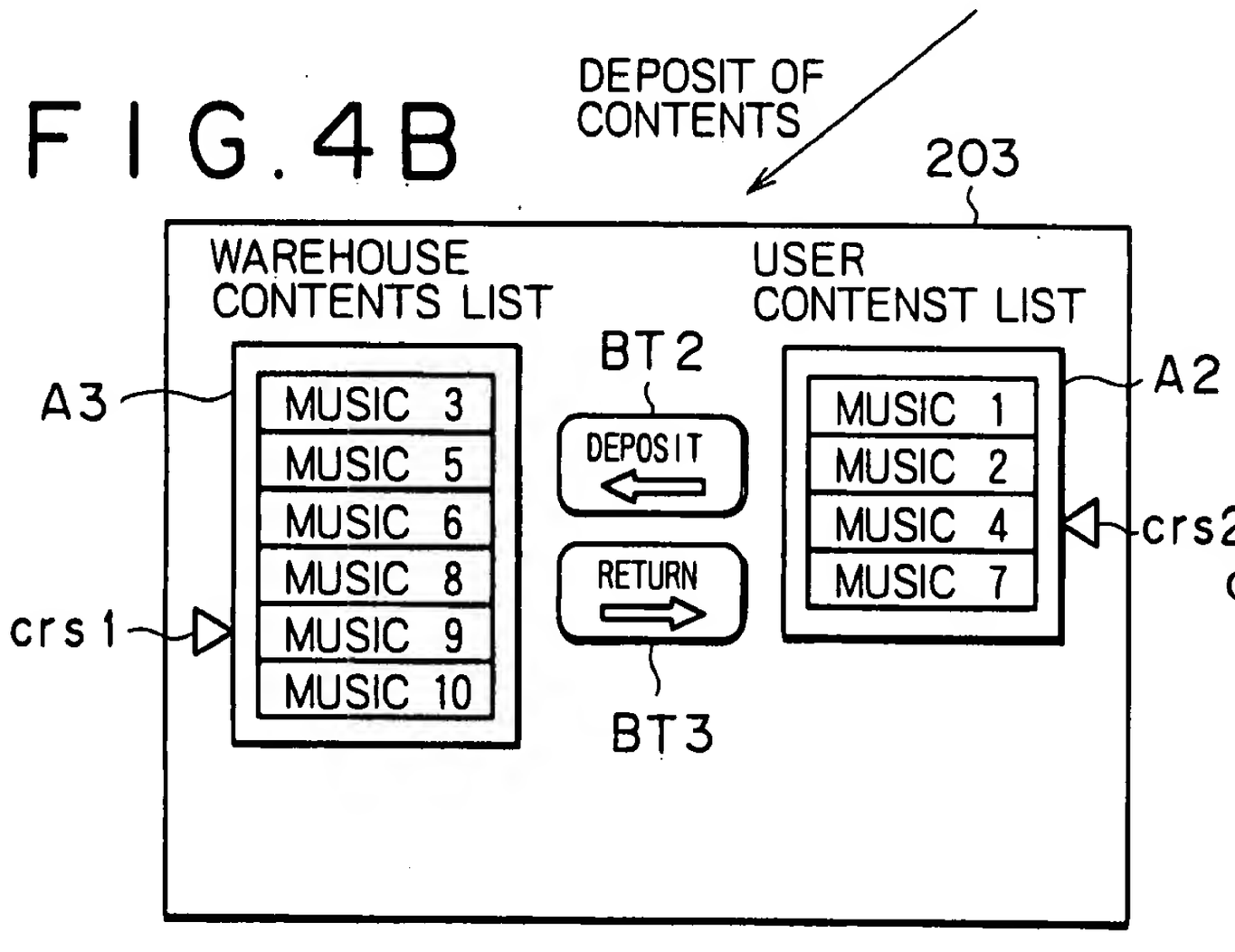


FIG.4C

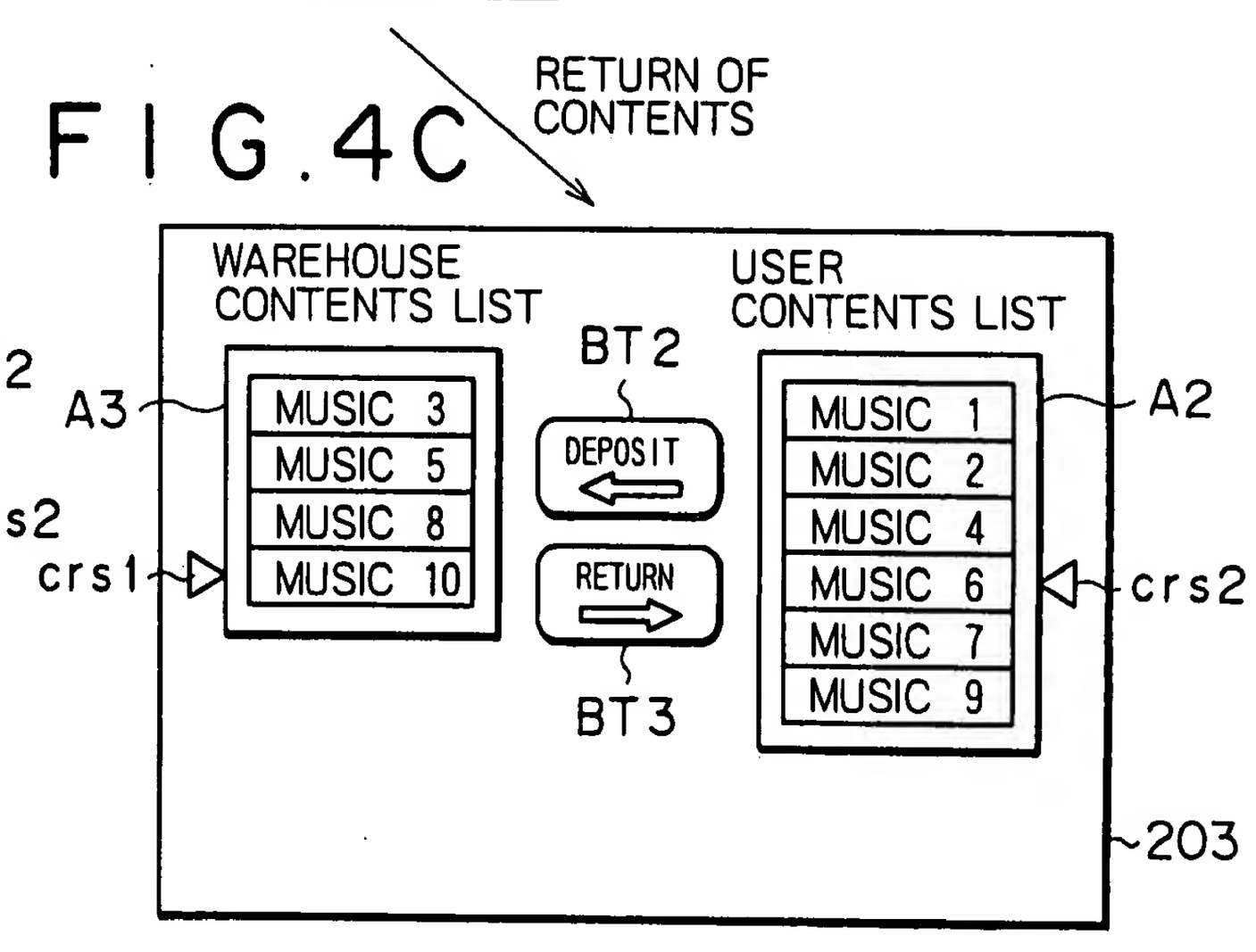
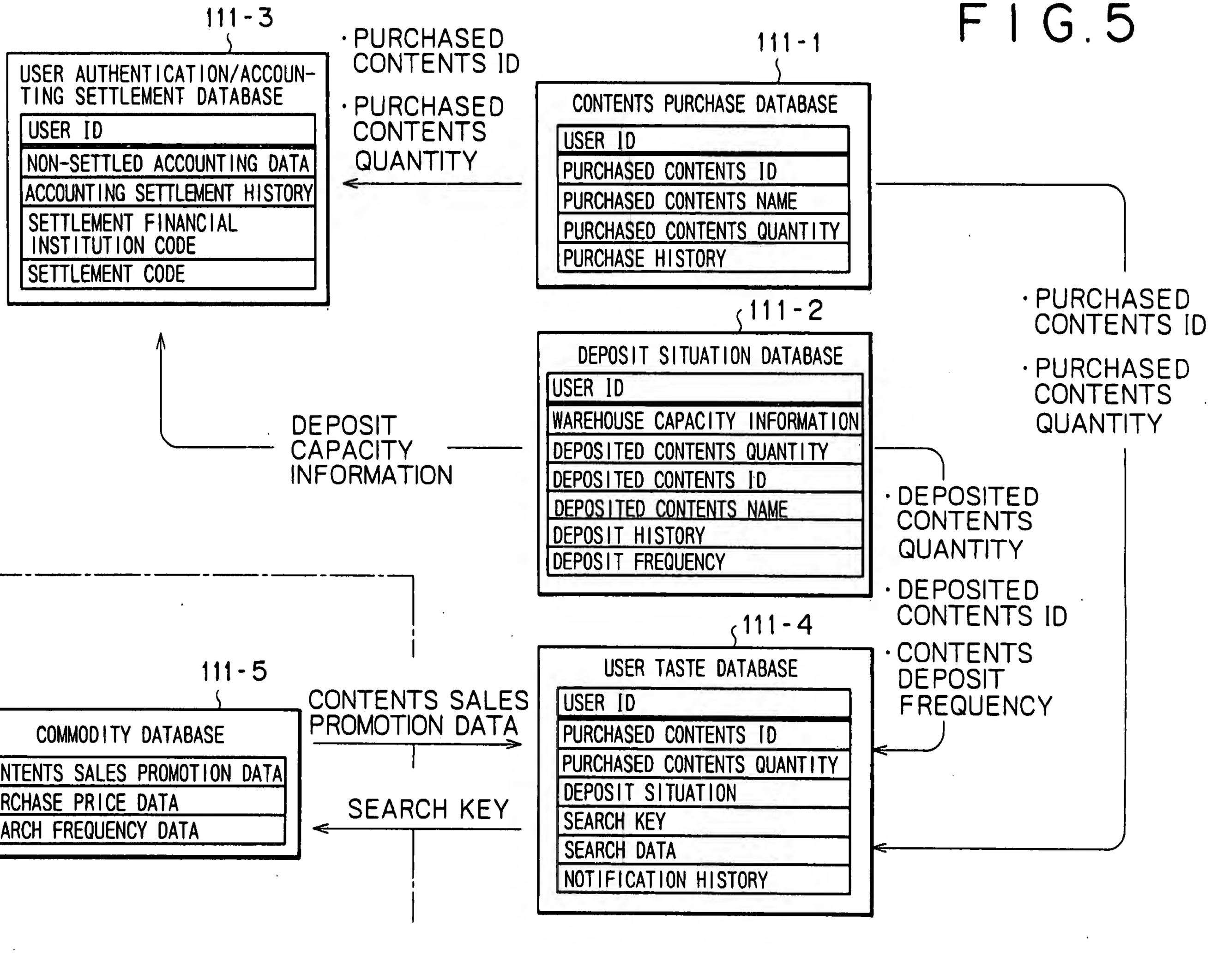
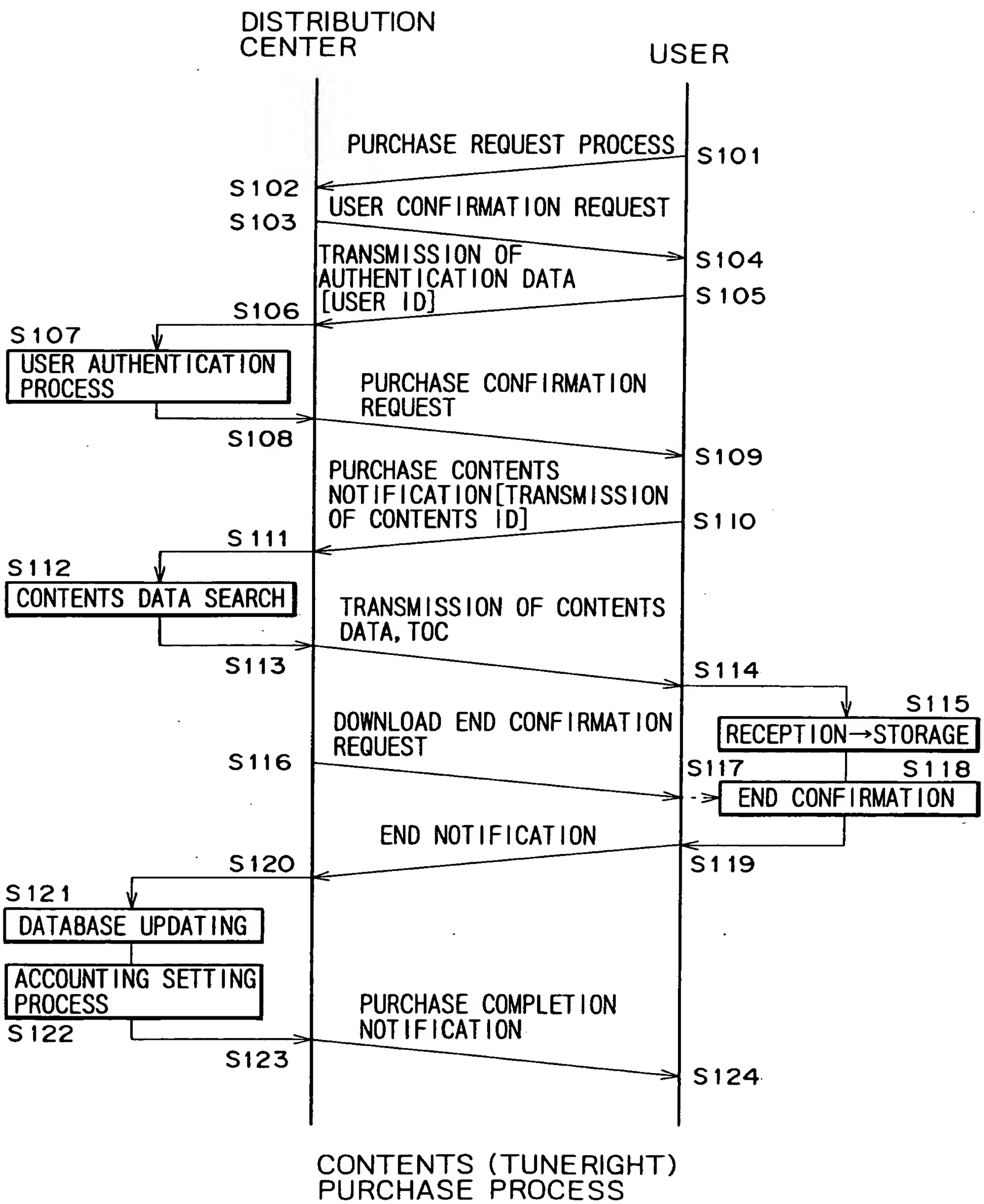


FIG.5


111-3
USER AUTHENTICATION/ACCOUNTING SETTLEMENT DATABASE
USER ID
NON-SETTLED ACCOUNTING DATA
ACCOUNTING SETTLEMENT HISTORY
SETTLEMENT FINANCIAL INSTITUTION CODE
SETTLEMENT CODE
· PURCHASED CONTENTS ID
· PURCHASED CONTENTS QUANTITY
111-1
CONTENTS PURCHASE DATABASE
USER ID
PURCHASED CONTENTS ID
PURCHASED CONTENTS NAME
PURCHASED CONTENTS QUANTITY
PURCHASE HISTORY
· PURCHASED CONTENTS ID
· PURCHASED CONTENTS QUANTITY
111-2
DEPOSIT SITUATION DATABASE
USER ID
WAREHOUSE CAPACITY INFORMATION
DEPOSITED CONTENTS QUANTITY
DEPOSITED CONTENTS ID
DEPOSITED CONTENTS NAME
DEPOSIT HISTORY
DEPOSIT FREQUENCY
DEPOSIT CAPACITY INFORMATION
· DEPOSITED CONTENTS QUANTITY
· DEPOSITED CONTENTS ID
· CONTENTS DEPOSIT FREQUENCY
111-4
USER TASTE DATABASE
USER ID
PURCHASED CONTENTS ID
PURCHASED CONTENTS QUANTITY
DEPOSIT SITUATION
SEARCH KEY
SEARCH DATA
NOTIFICATION HISTORY
111-5
COMMODITY DATABASE
CONTENTS SALES PROMOTION DATA
PURCHASE PRICE DATA
SEARCH FREQUENCY DATA
CONTENTS SALES PROMOTION DATA
SEARCH KEY

SUBCLASS

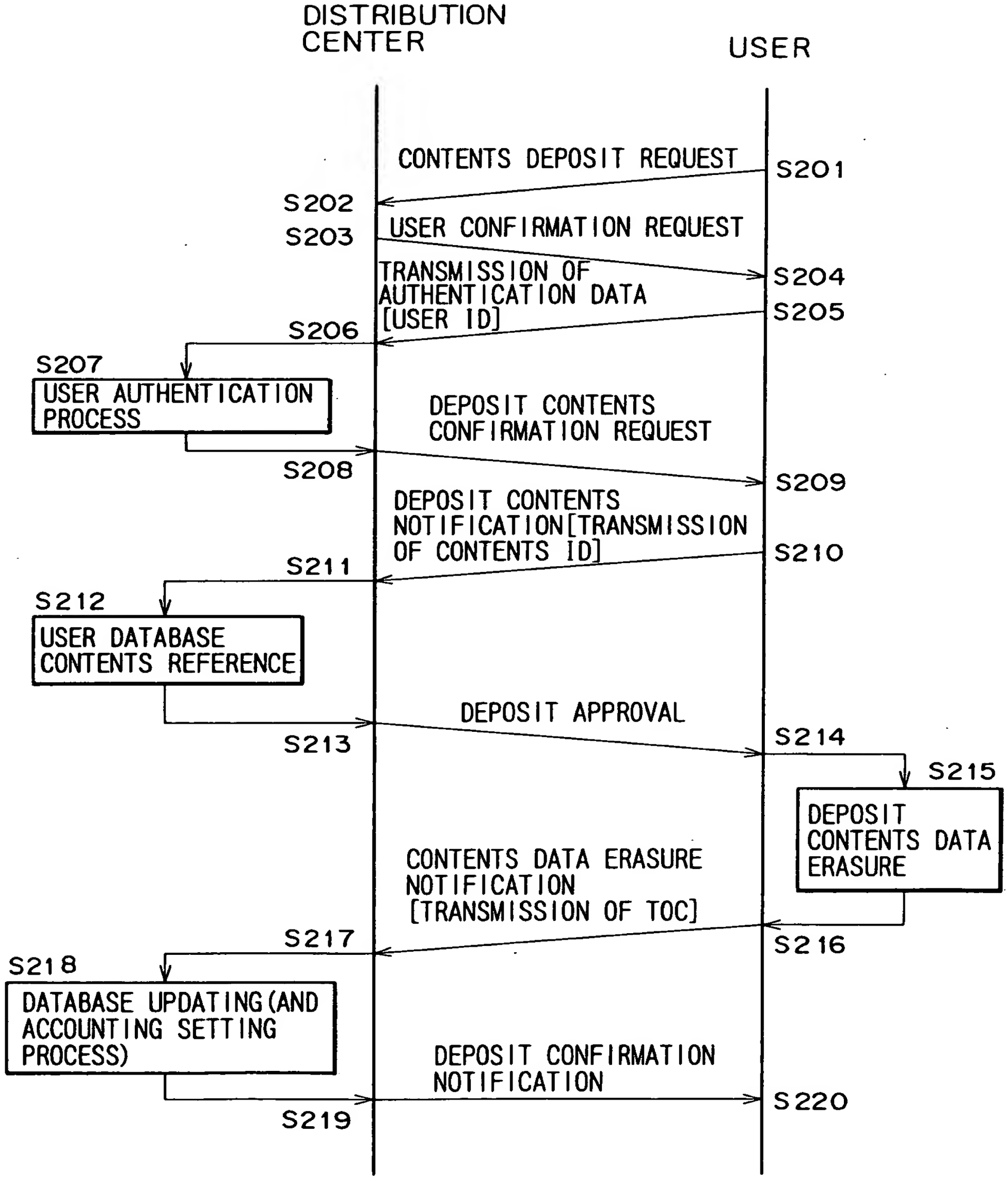
FIG.6



CONTENTS (TUNERIGHT) PURCHASE PROCESS

APPROVED BY DRAWING

FIG.7

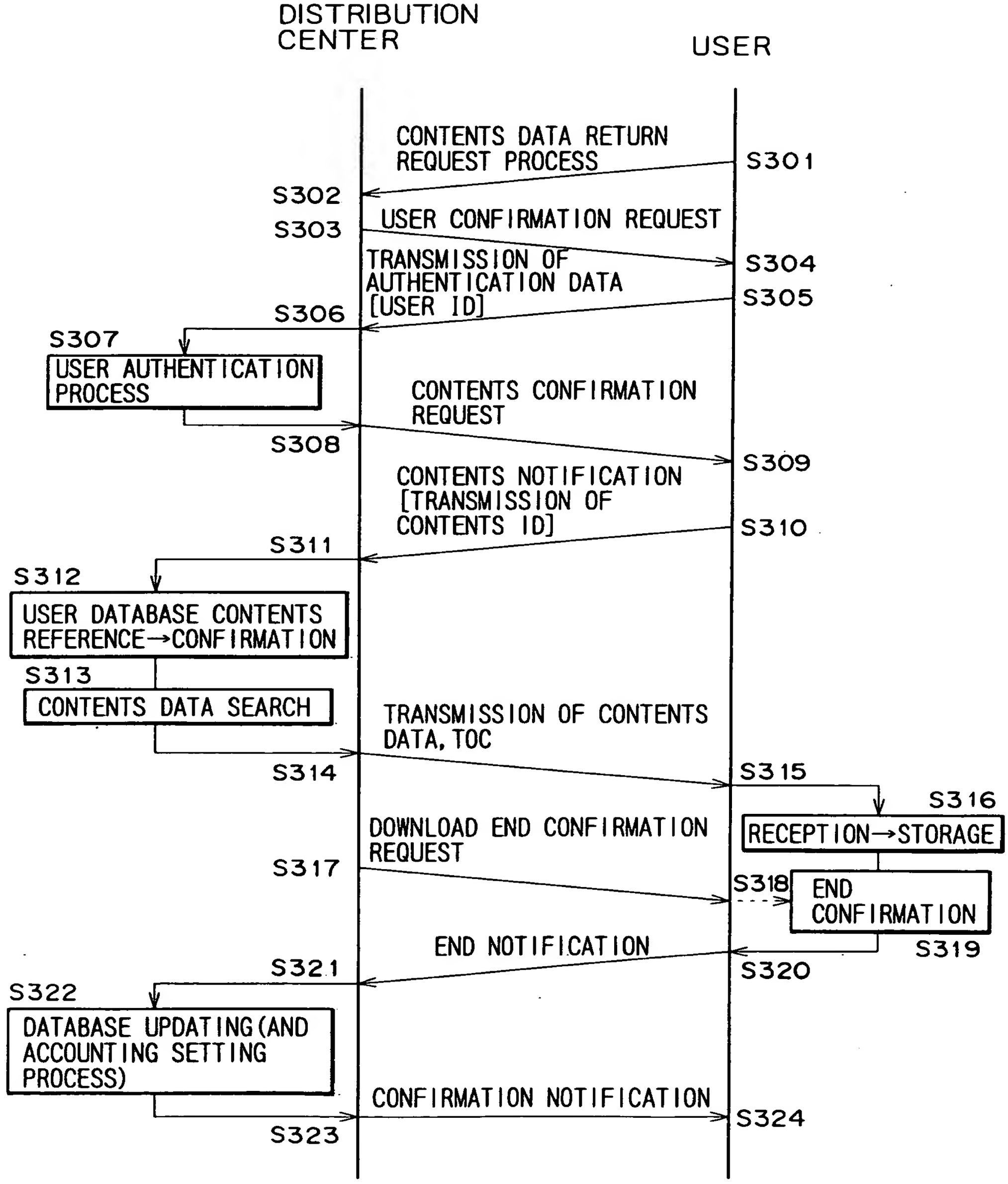


CONTENTS DEPOSIT PROCESS

JP2004-086904

APPROVED O.G. FIG.
BY SUBCLASS

FIG. 8

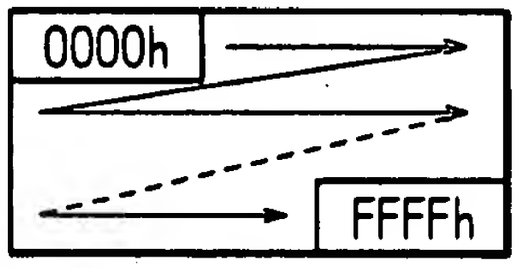


CONTENTS RETURN PROCESS

SERVER

FIG.9A

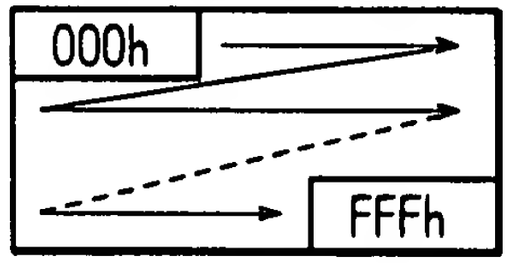
ACCESSIBLE AREA
ACTUAL ADDRESS



DISTRIBUTION TERMINAL APPARATUS

FIG.9B

STORAGE AREA
ACTUAL ADDRESS



PORTABLE TERMINAL APPARATUS

FIG.9C

STORAGE AREA
ACTUAL ADDRESS

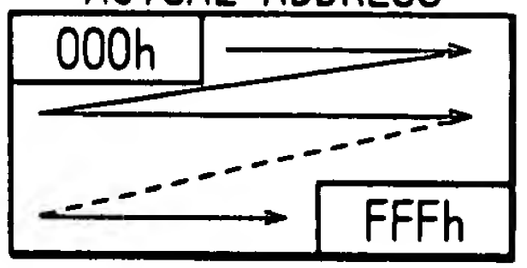
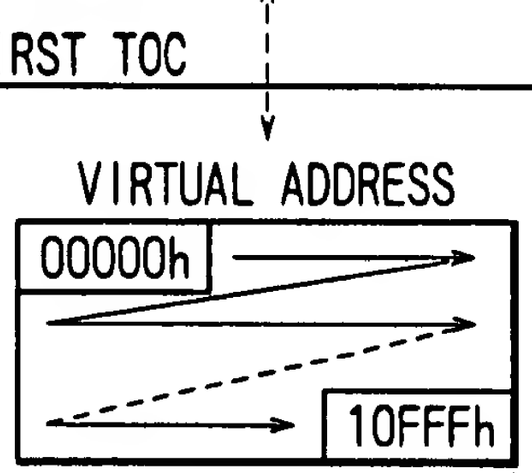


FIG.9D

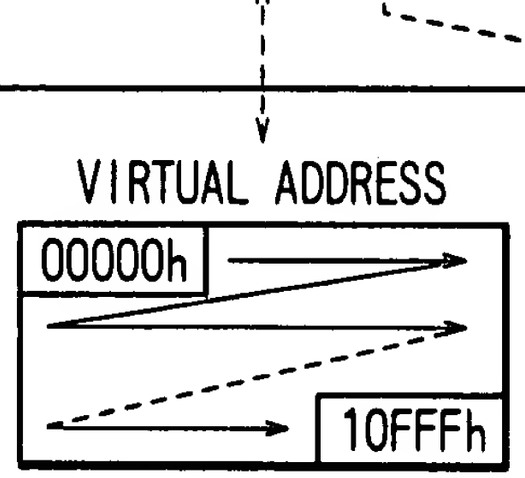
FIRST TOC

VIRTUAL ADDRESS



SERVER TOC

VIRTUAL ADDRESS

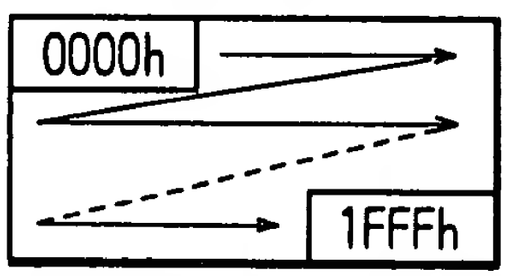


(FIRST) DISTRIBUTION TERMINAL TOC

FIG.9E

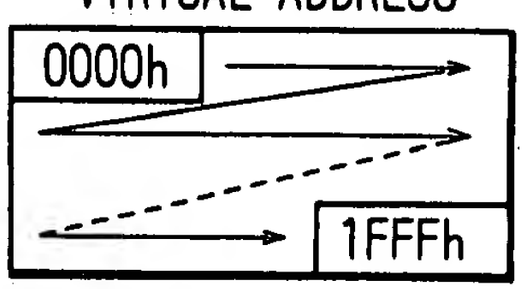
SECOND TOC

VIRTUAL ADDRESS



(SECOND) DISTRIBUTION TERMINAL TOC

VIRTUAL ADDRESS



PORTABLE TERMINAL TOC

SUBCLASS

FIG.10

STRUCTURE OF FIRST TOC

USER ID			
SERVER ID		DISTRIBUTION TERMINAL ID	
CONTENTS ID	VIRTUAL ADDRESS	CONTENTS ID	VIRTUAL ADDRESS
CONTENTS ID	VIRTUAL ADDRESS	CONTENTS ID	VIRTUAL ADDRESS
CONTENTS ID	VIRTUAL ADDRESS	CONTENTS ID	VIRTUAL ADDRESS
CONTENTS ID	VIRTUAL ADDRESS	CONTENTS ID	VIRTUAL ADDRESS

SERVER TOC

(FIRST) DISTRIBUTION TERMINAL TOC

FIG.11

STRUCTURE OF SECOND TOC

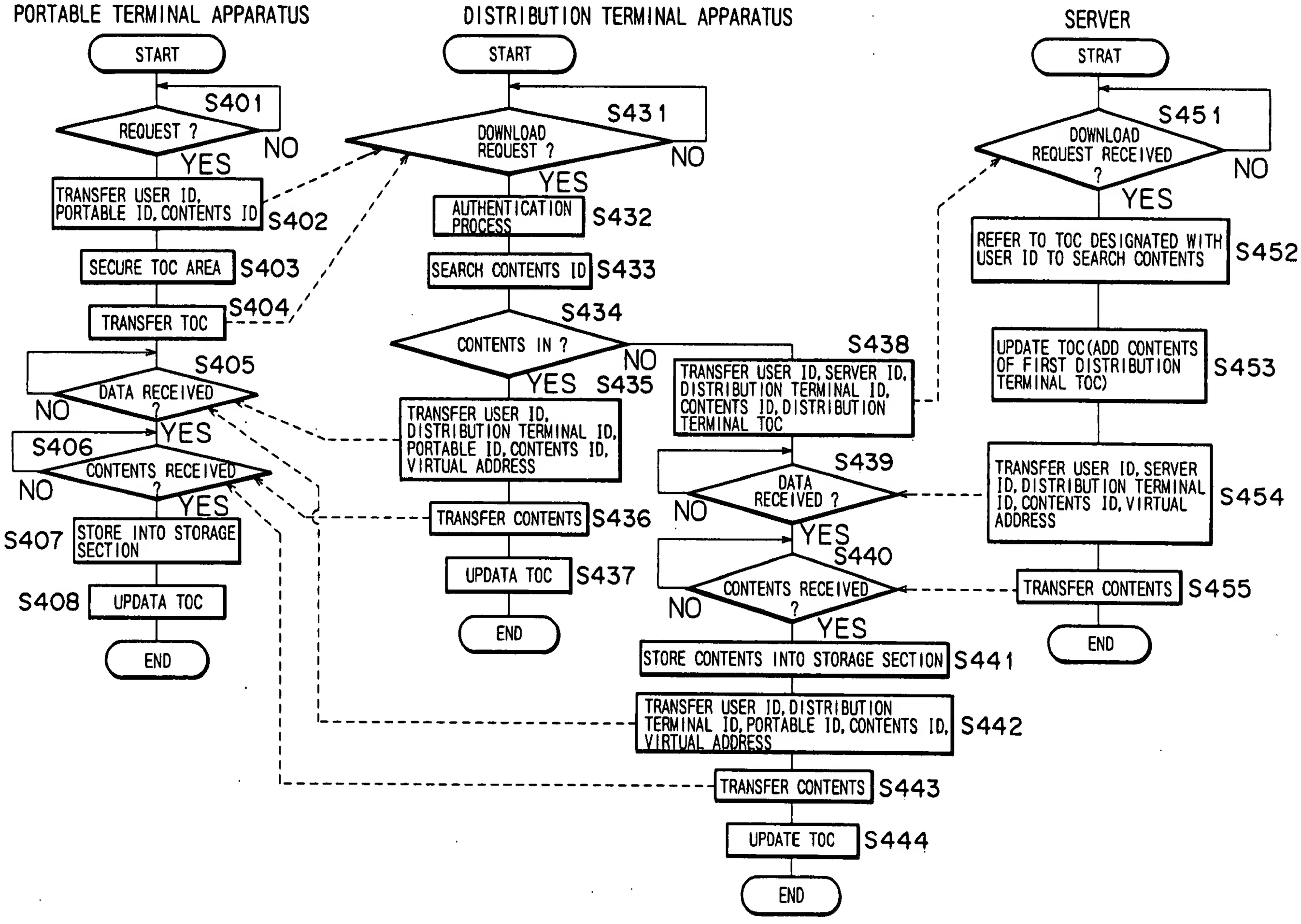
USER ID			
DISTRIBUTION TERMINAL ID		PORTABLE TERMINAL ID	
CONTENTS ID	VIRTUAL ADDRESS	CONTENTS ID	VIRTUAL ADDRESS
CONTENTS ID	VIRTUAL ADDRESS	CONTENTS ID	VIRTUAL ADDRESS
CONTENTS ID	VIRTUAL ADDRESS	CONTENTS ID	VIRTUAL ADDRESS
CONTENTS ID	VIRTUAL ADDRESS	CONTENTS ID	VIRTUAL ADDRESS

(SECOND) DISTRIBUTION TERMINAL TOC

PORTABLE TERMINAL TOC

P6064-00 EP 0 858 036 A2

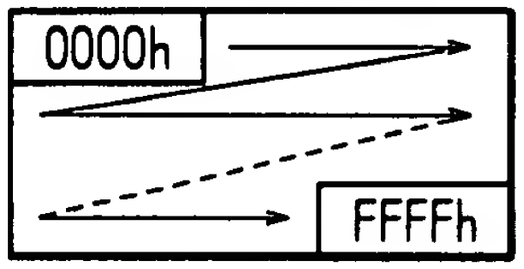
FIG.12


PORTABLE TERMINAL APPARATUS
START
S401
REQUEST ?
NO
YES
TRANSFER USER ID, PORTABLE ID, CONTENTS ID
S402
SECURE TOC AREA
S403
TRANSFER TOC
S404
S405
DATA RECEIVED ?
NO
YES
S406
CONTENTS RECEIVED ?
NO
YES
S407
STORE INTO STORAGE SECTION
S408
UPDATA TOC
END
DISTRIBUTION TERMINAL APPARATUS
START
S431
DOWNLOAD REQUEST ?
NO
YES
AUTHENTICATION PROCESS
S432
SEARCH CONTENTS ID
S433
S434
CONTENTS IN ?
NO
YES
S435
TRANSFER USER ID, DISTRIBUTION TERMINAL ID, PORTABLE ID, CONTENTS ID, VIRTUAL ADDRESS
TRANSFER CONTENTS
S436
UPDATA TOC
S437
END
S438
TRANSFER USER ID, SERVER ID, DISTRIBUTION TERMINAL ID, CONTENTS ID, DISTRIBUTION TERMINAL TOC
S439
DATA RECEIVED ?
NO
YES
S440
CONTENTS RECEIVED ?
NO
YES
STORE CONTENTS INTO STORAGE SECTION
S441
TRANSFER USER ID, DISTRIBUTION TERMINAL ID, PORTABLE ID, CONTENTS ID, VIRTUAL ADDRESS
S442
TRANSFER CONTENTS
S443
UPDATE TOC
S444
END
SERVER
STRAT
S451
DOWNLOAD REQUEST RECEIVED ?
NO
YES
REFER TO TOC DESIGNATED WITH USER ID TO SEARCH CONTENTS
S452
UPDATE TOC(ADD CONTENTS OF FIRST DISTRIBUTION TERMINAL TOC)
S453
TRANSFER USER ID, SERVER ID, DISTRIBUTION TERMINAL ID, CONTENTS ID, VIRTUAL ADDRESS
S454
TRANSFER CONTENTS
S455
END

SERVER

FIG.13A

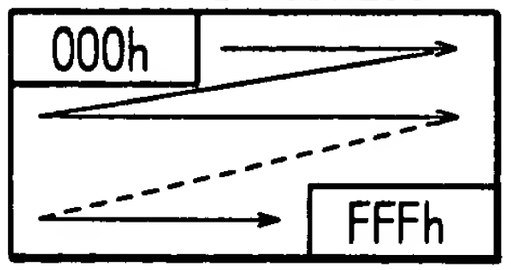
ACCESSIBLE AREA
ACTUAL ADDRESS



DISTRIBUTION TERMINAL APPARATUS

FIG.13B

STORAGE AREA
ACTUAL ADDRESS



PORTABLE TERMINAL APPARATUS

FIG.13C

STORAGE AREA
ACTUAL ADDRESS

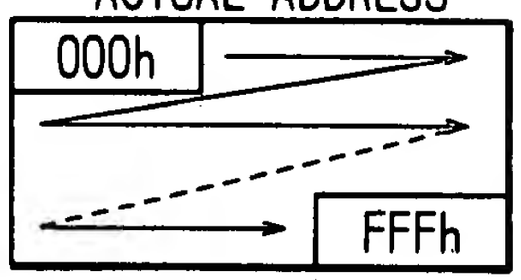
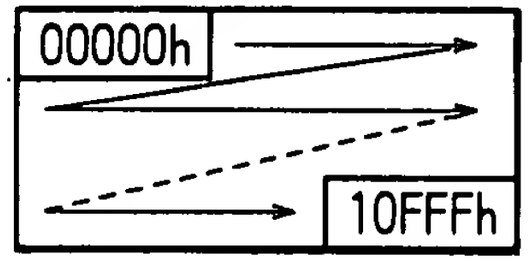


FIG.13D

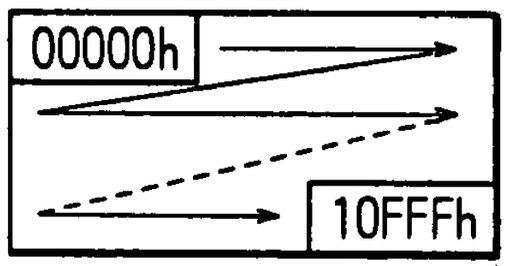
TOC

VIRTUAL ADDRESS



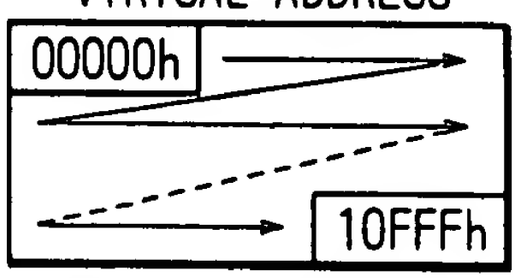
SERVER TOC

VIRTUAL ADDRESS



DISTRIBUTION TERMINAL TOC

VIRTUAL ADDRESS



PORTABLE TERMINAL TOC

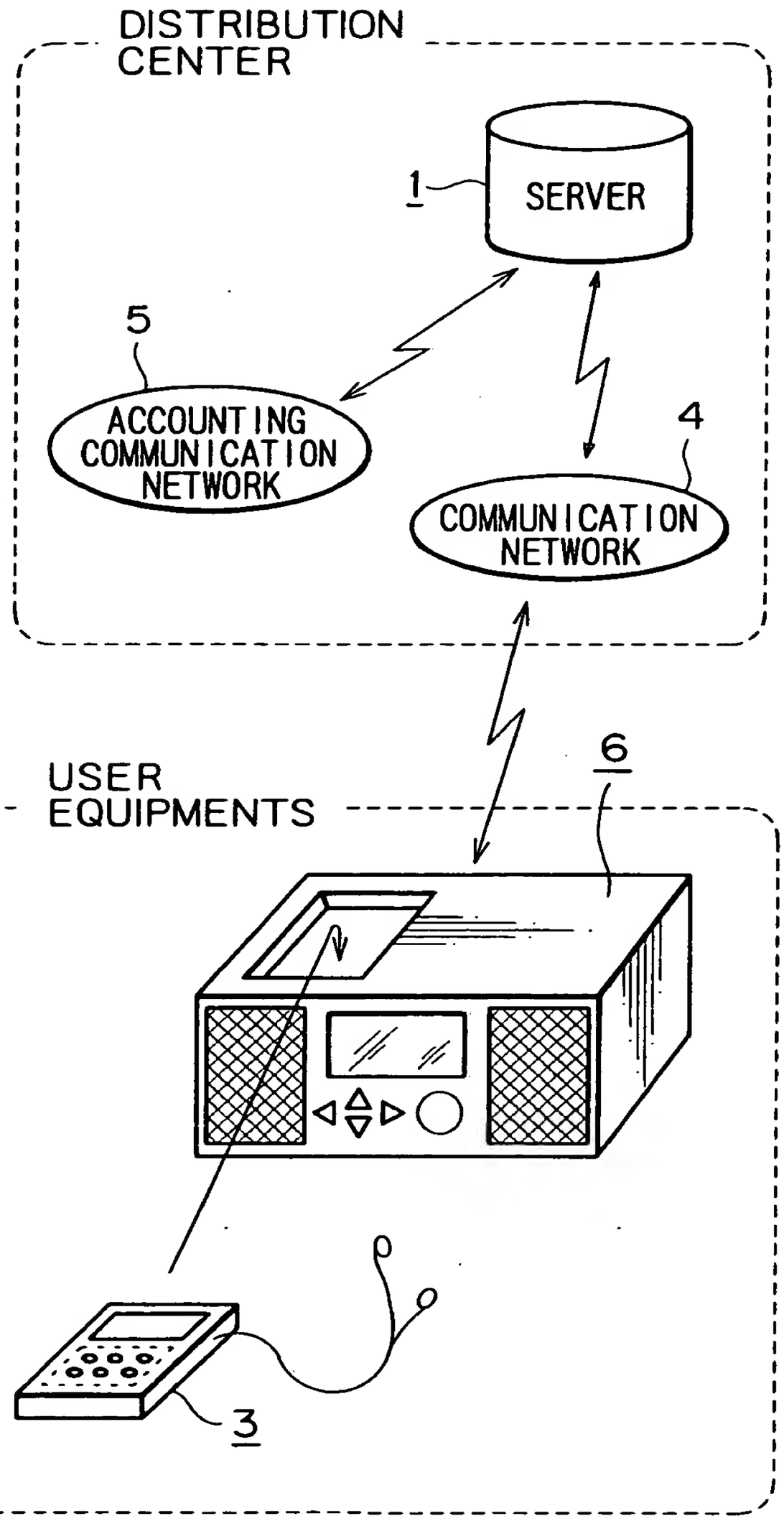
FIG.14

STRUCTURE OF TOC

USER ID					
SERVER ID		DISTRIBUTION TERMINAL ID		PORTABLE TERMINAL ID	
CONTENTS ID	VIRTUAL ADDRESS	CONTENTS ID	VIRTUAL ADDRESS	CONTENTS ID	VIRTUAL ADDRESS
CONTENTS ID	VIRTUAL ADDRESS	CONTENTS ID	VIRTUAL ADDRESS	CONTENTS ID	VIRTUAL ADDRESS
CONTENTS ID	VIRTUAL ADDRESS	CONTENTS ID	VIRTUAL ADDRESS	CONTENTS ID	VIRTUAL ADDRESS
CONTENTS ID	VIRTUAL ADDRESS	CONTENTS ID	VIRTUAL ADDRESS	CONTENTS ID	VIRTUAL ADDRESS
SERVER TOC		DISTRIBUTION TERMINAL TOC		PORTABLE TERMINAL TOC	

APPROVED FOR PUBLIC RELEASE
NOT SUBJECT TO COPYRIGHT

FIG.15



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